there were no Andamanese there,
but 400 people consisting of 133 males and 130 females who migrated from Bassein in 1924. They were Karen Christians who had settled there. After returning to Long Island on the 12th, Mr Sarkar and party left in the motor boat "Return" for a short cruise along the Jarawa country. Besides Mr Joseph, there were Mr Pooviah and a few of his Burman Bush Police armed with rifles and guns. The party passed through the Homfray's Strait and anchored at the north eastern corner of the Spike Island. Loka and his party of three Andamanese accompanied them in their two canoes. They came to the shore in one of the Andamanese canoes and after entering the forest they found bundles of bamboos piled up at one corner. This was identified as a Jarawa raft. There were also three paddles made out of a palm tree. These specimens were procured for the Department. After proceeding some distance in the jungle, 19 small fire places were counted in scattered manner. A temporary hut was also noticed at a short distance. A number of objects usually used by the Andamanese tribes for household purposes was found including a sling for carrying babies. A beautiful specimen of a Jarawa Bow painted in red in geometrical designs was also found. Photographs were taken of the settlements of the Jarawa camp and objects collected for the Museum. In another place at *Yeratiajig* remnants of a Jarawa camp including pottery and bones of animals, etc., were found. The party returned to Long Island on 14-3-48 and examined 8 of the remaining members of Loka's party. It left the same day for Port Blair where it arrived at 10 P.M. On the 25th Mr Sarkar and his party with the Deputy Chief Commissioner Mr Gupta, left for Kar Nicobar where it arrived on the following day. It returned to Port Blair after staying for a few days. During this time in Kar Nicobar, besides studying the Nicobarese of the Island Mr Sarkar met two Jarawa children who were captured and brought over there and placed in a local Mission School for education.

In the following year in January 1949, another small party was sent under Dr A. K. Mitra with Messrs H. K. Bose and A. Bhattacharyya, to continue the survey of the Little Andaman further along the eastern coast. They visited *Hut Bay* on the 28th and went to the Onge settlement there. A large circular hut similar to that seen by us at Tambebui was observed. It contained nine cots with a fire place in the centre. There were also two outrigger canoes, one in front of the hut and another on the beach. Altogether 11 Onges were found consisting of 2 adult males, 6 females and 3 young children between the ages of 6 to 15. The 8 adults and the adolescent boys were carefully measured and observations noted about their special somatic characters. After leaving Hut Bay they went as far as the South Point which is the southernmost point on the eastern coast of the Little Andaman, but did not see any other Onge settlement. They had to return on the 31st as the launch could not be spared any further.

The Onges were found to be strong and healthy and free from venereal disease, a scourge, which along with tuberculosis were chiefly responsible for the rapid depopulation of the Andamanese tribes. Our observations agree with the accounts of the Negritos of the Andaman Islands published before

6: Cipriani E-5 (1951-1953)1961 AZ2 Andamans AZ2
Onge



tracted hardship and considerable risk, not so much from the natives themselves as from the implacable Andaman sea. We had a terrible time during several of our landings from the open Indian Ocean. Constant danger additionally stimulated the development of research in Little Andaman. All the Indians and the Burmese behaved bravely. Among them I wish to mention here my Indian stenographer, a married man nearing thirty, from Bengal: RANHADIR KUMAR DEY, who, on 12 and 13 February, 1953, on the south coast of the island shared two frightfully narrow escapes with me. I am sure that neither of us will ever forget it. I later found a comfortable landing place, now indicated by floating buoys, on the north coast. Two other Bengalese assistants who were a great help to me in Little Andaman and had been selected from a number of young aspirants, are PRONAB GANGULI and BIMAL CHANDRA ROY. My work in the Andamans could not have been accomplished without them and without the initiative and encouragement of officers such as Dr. B. S. GUHA, Director of the Department of Anthropology of the Indian Government, Mr. AJSV K. GHOSH, the kind, open-minded Chief Commissioner of Andamans and Nicobars during my 1951-1953 stay there, and Mr. S. N. MAITRA, who succeeded Mr. GHOSH as Chief Commissioner. In a book that I am writing I try to point out the significance of my work in the Andamans, carried out with the help of such distinguished, and sometimes heroic, Indian collaborators.

## I. Hygienic Conditions

### 1. Habitation

The nomadic Onge have two kinds of shelter: one temporary, the other permanent, used only for short periods at a time. The Little Andaman forest is full of abandoned temporary shelters; the permanent camps are fewer, mainly situated along the coast. They consist of communal huts, strongly built by a number of families roaming under the direction of a leader. The huts have a ritual significance, as we shall presently see. Inside each communal hut are a number of beds generally equal to the number of families. Small fires are kept burning day and night near the beds, a precaution that I was thankful for on many cold nights succeeded by hot days. The Onge require nothing more against the cold. In their camps they can withstand the heaviest storms and drenching rains. In order to avoid chills it is enough for them to protect their fires from extinction. This applied to me too, while living among the Onge. The warmth and the dry air ensured good health for us all.

A few additional beds are for the use of bachelors nearing marriage. Most of the beds are marginally and radially placed; a few are placed transversally. Normal beds accommodate father, mother (the Onge are monogamous), children and dogs, all in a heap. In temporary as in permanent shelters it is customary for families to eat separately, each close to its bed. The low, round roof of the communal hut does not reach the ground; a gap of 30 cms is left free for creeping in and out at will without using the main door (a simple mat to be lifted). Rubbish is thrown carelessly everywhere, e. g. directly outside the circular hut, which is consequently surrounded by a malodorous ring of bones, imperfectly cleaned shells, bits of rotting shellfish and other animals – a rich breeding ground for flies and various other insects that rapidly destroy everything edible, leaving the grass to grow until the next lot of garbage accumulates. Building and rebuilding a communal hut always on the same

9:Sarkar D-5 (1948) 1962 AZ2 Andamans AZ2
Jarawa



123 The second trip was made on March 12th 1948. Our party included Mr. JOSEPH and Mr. POOVIAH [1], both Sub-divisional Officers of the forest department, one Burman bush police and four Andamanese with their two canoes tied behind our motor boat. We followed the same route from Long Island and, reaching Spike Island, we anchored at its northeastern corner. We came ashore in the canoes. The beach was small and rocky. Part of it was sheltered on one side by huge rocks behind which the Jarawa were known to waylay those approaching from the sea. So we landed very cautiously. Just at the outskirts of the jungle we saw huge bundles of short bamboo lengths tied to one another and piled up in a heap. It was a Jarawa raft. Near the bamboo pile were three crude paddles split from the spadix of the palm called *Nipa fruticans*. We were all the more careful in our approach.

Soon we came upon a clearing in the jungle. There was no Jarawa, but all around we saw traces of a temporary halt of a large party. We counted nineteen fireplaces. At a distance from the fireplaces we saw a small temporary hut improvised out of the materials available on the spot. Two small shrubs were tied together on two sides to form the roof of the hut. The Andamanese identified it to have been made for the Jarawa chief and his wife. Household objects lay scattered about. Three bamboo cylinders, closed at one end by the natural node, were found next to three of the fireplaces. They are used for carrying water. A dark coloured modern glass bottle, probably acquired during a raid, was also found. One fireplace had a small compartment enclosed by a few wooden posts a few yards off. The Andamanese identified it as an enclosure for keeping a child at a safe distance from the fire. This was probably correct as there was also a baby sling made of bark, exactly similar to that used by the Onge for carrying a baby on its mother's back (VON EICKSTEDT, 1934, fig. 211). At one corner of a fireplace the shavings of an arrowshaft or a bow were seen and nearby was a flat round pebble, one end of which was broken like that of a scraper (fig. 3). This scraper showed marks of red ochre on it. Beneath a tree a circular mat, sewn out of three pieces of long triangular palm-like leaves was spread out, while on its branches was found a beautiful specimen of an unstrung bow. It appeared to have been recently prepared and

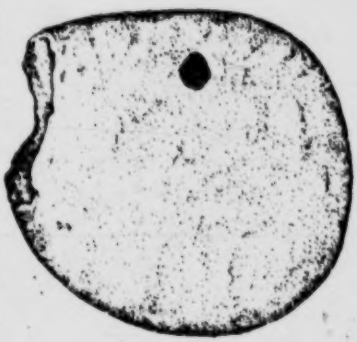

Fig. 3

[1] These two officers captured two Jarawa males, one adult and one boy, on October 19th 1948 on Spike Island. They were brought to Port Blair, wherefrom they managed to escape at night.

11: Cipriani E-3 (1951-1955) 1966 AZ2 Andamans AZ2



ground. Two parallel transverse poles of equal length, one front and one back, complete the frame, which is lashed together with the usual rush fibres. The roof consists of fresh *Pandanus* leaves, palms, or grass. It never actually touches the ground, and food refuse is thrown out from underneath it in the usual way, covering the ground round the shelter.

The bed takes a little longer than the roof to put up, as a number of sticks have to be gathered to make the compact platform, raised about half a metre from the ground on four stout props driven into the ground, one at each corner, and a suitable trunk has to be found for the head-rest. Normally one bed takes an entire family – mother, father, children and dogs, all well packed on the platform with the inevitable fire beside. On rare occasions, when the shelter is intended purely for the menfolk on a hunting expedition, only one bed is prepared, but generally every hunter has his family with him. I have myself slept like this with the Onges on trips where the forest was too dense for any baggage to be carried.

As the kitchen-middens show (see p. 68), their permanent huts are, with very few exceptions, circular and are still extremely simple. The essential feature is the waterproof roof-mats, well overlapped, which form the enormous umbrella roof. From the outside the whole thing looks in danger of collapsing, but from the interior it is obviously safely held by a frame of poles, lashed with innumerable ties to stout uprights fixed firmly into the ground. No central pillar is needed, and when there is one it is only by chance; I saw very few on Little Andaman. There are no divisions into rooms or compartments – everything is open to the eyes of all the occupants of the beds. Most of these are arranged as the radii of a circle, fairly near the outer edge of the hut, the roof coming down so close to the ground that everyone sleeps with their heads towards the centre, but there may be some beds across the centre space.

At the circumference the roof is only thirty to forty centimetres from the ground, the roofing mats being well lashed on to uprights in case of high winds, and one can wriggle in and out of the hut on one's stomach, crawling over the refuse thrown out through the convenient gap. There is always, however, a 'proper' entrance, where one edge of the roof-wall can be lifted up. At the top of the roof, on the lee side, one section can be propped open on poles,

11: Cipriani E-3 (1951-1955) 1966 AZ2 Andamans AZ2



342 354 allowing the smoke to escape and letting more air in – a very welcome relief at times, even for the Onges!

342 12C I made sketch plans of all the huts I visited, with positions of the supporting poles, beds, etc. Two typical ones were those at Toqué-è-bùie and Tambe-e-buiè. In March 1952 the former had some parts of the roof missing, as the inhabitants had taken the mats off to make temporary shelters in the forest; when the rains came they brought them back and replaced them. This custom explained why, on Great Andaman, some obviously temporary shelters had roofs far too well made to be intended for purely temporary use.

352 354 342 Entering the hut at Toqué-è-bùie, by the entrance proper, one finds oneself facing an area with no beds in it. In the centre of this area, under the apex of the roof, is a fire, a little larger than those kept burning beside each bed. This is used for communal cooking during the rainy season; at other times all cooking is done in the open. The ground area covered by the roof was 9·12 square metres, its height at the centre 3·3 metres, and the external circumference [364] 30·65 metres. Beyond this stretched the ring of refuse built up by each short period of occupation.

342 [184] Unlike many of the huts of Little Andaman, Toqué-è-bùie has a central pole, not thick, but of a very hard wood. In a circle round this are ten upright poles, each about two metres from the central pole. Starting on the left of the entrance and moving clockwise their heights vary slightly.[1] Outside this inner circle of supporting poles are two more concentric rings of uprights, the first, with a radius of 3·65 metres from the central pole, consists of twenty uprights with an average height of 1·35 metres, and the second, with a radius of 4·53 metres from the centre pole, has an average height of 0·38 metres. In nearly every hut each circle of uprights is attached to the roof by a ring formed by a bundle of long canes, to which each upright is lashed. Another bunch of long canes runs transversely from the entrance to the opposite side of the hut, almost touching the ground at the two ends, touching the roof in the middle, and fixed to the rings of canes to which the uprights are attached.

The bundle of canes forming this arch support is clearly set in place after the erection of the first (innermost) ring of uprights, and actually lies on top of the ring of canes to which they are

[1] 2·45, 2·35, 2·32, 2·3, 2·45, 2·35, 2·3, 2·35, 2·32, 2·33 metres.